

WPP PP PPH1MF2

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH1MF2 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% mica. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

Characteristics include:

Ductile
Heat Stabilizer
Impact Resistant
Rigid

General Information			
Filler / Reinforcement	Mica,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Ductile		
	Good Impact Resistance		
	Heat Stabilized		
	High Rigidity		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus - Tangent	3170	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	36	J/m	
23°C	38	J/m	
Unnotched Izod Impact (23°C)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	125	°C	
1.8 MPa, Unannealed	85.0	°C	

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